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- (71) Applicant (for all designated States except US): IMPE-RIAL CANCER RESEARCH TECHNOLOGY LIM-ITED [GB/GB]; Sardinia House, Sardinia Street, London WC2A 3NL (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GERMAIN,

Stephane, Edouard [FR/FR]; 144 rue de Point du Jour, F-92100 Boulogne-Billancourt (FR). HILL, Caroline, Susan [GB/GB]; Imperial Cancer Research Fund, Laboraty of Developmental Signalling, London WC2A 3PX (GB). HOWELL, Michael, Terence [GB/GB]; Imperial Cancer Research Fund, Laboraty of Developmental Signalling, London WC2A 3PX (GB).

- (74) Agent: MILES, John, S.; Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).
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(54) Title: POLYPEPTIDES CAPABLE OF INTERACTING WITH THE SMAD PEPTIDE AND COMPRISING THE SEQUENCE PP (T/N)K

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Α Mixer SIM 283 LLMDFNNFPPNKTITPDMNVRIPPI 307 \* \* \* \* \* \* À B Single mutations WT P291A P292A N293A K294A T295A 1296A GSTSmad2C Mixer F290A D299A M300A F287A P305A GSTSmad2C

Double mutations



(57) Abstract: A polypeptide (interacting polypeptide) capable of interacting with a Smad polypeptide wherein the interacting polypeptide comprises the amino acid sequence PP(T/N)K and is less than 150 amino acids in length or is not full-length *Xenopus* or human FAST1 or a fragment thereof, mouse FAST2, *Xenopus* Milk, *Xenopus* Mixer or *Xenopus* Bix2. The Smad polypeptide may be Smad2 or Smad3. The interacting polypeptides are useful in screening assays and in medicine.







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